

STANDARDIZED TESTING AND REPORTING PROGRAM
California Standards Test

2002 Specific Results
Number of Items for Each 2002 CST Subscore Reported

Beginning with the 2002 STAR Program, STAR Performance Reports for individual students and student, school, district, and county lists with summaries include California Standards Test subscores for each grade and content area. The overall results for each content area are reported as scaled scores and performance standards for each student. The subscores are reported as the number possible and the number of questions the student answered correctly.

The overall results for each content on the student, school, district, and county lists with summaries are reported as the average scaled score and the percent of students who scored at each performance level (advanced, proficient, basic, below basic, and far below basic). The specific results subscores are reported as the average number correct out of the number possible.

The subscores reported in the specific results sections of the 2002 reports and the number of items for each subscore follow. The number of items for each subscore are specific to the 2002 California Standards Tests. The number of items for each subscore category are expected to vary slightly from year to year due to factors related to test design and construction.

English-Language Arts

Grade 2 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 26 items |
| • Reading Comprehension | 17 items |
| • Literary Response and Analysis | 7 items |

Writing

- | | |
|---|----------|
| • Writing Strategies | 9 items |
| • Written and Oral Language Conventions | 16 items |

Grade 3 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 24 items |
| • Reading Comprehension | 17 items |
| • Literary Response and Analysis | 9 items |

Writing

- | | |
|---|----------|
| • Writing Strategies | 10 items |
| • Written and Oral Language Conventions | 15 items |

Grade 4 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 20 items
- Reading Comprehension 17 items
- Literary Response and Analysis 13 items

Writing

- Writing Strategies 17 items
- Written and Oral Language Conventions 23 items
- Writing Applications 8 points (1 task)

Grade 5 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 17 items
- Reading Comprehension 18 items
- Literary Response and Analysis 15 items

Writing

- Writing Strategies 19 items
- Written and Oral Language Conventions 21 items

Grade 6 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 16 items
- Reading Comprehension 20 items
- Literary Response and Analysis 14 items

Writing

- Writing Strategies 21 items
- Written and Oral Language Conventions 19 items

Grade 7 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 13 items
- Reading Comprehension 22 items
- Literary Response and Analysis 15 items

Writing

- Writing Strategies 20 items
- Written and Oral Language Conventions 20 items
- Writing Applications 8 points (1 task)

Grade 8 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 11 items
- Reading Comprehension 22 items
- Literary Response and Analysis 17 items

Writing

- Writing Strategies 21 items
- Written and Oral Language Conventions 19 items

Grade 9 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 10 items
- Reading Comprehension 21 items
- Literary Response and Analysis 19 items

Writing

- Writing Strategies 24 items
- Written and Oral Language Conventions 16 items

Grade 10 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 10 items
- Reading Comprehension 21 items
- Literary Response and Analysis 19 items

Writing

- Writing Strategies 25 items
- Written and Oral Language Conventions 15 items

Grade 11 English – Language Arts Standards Test**Reading**

- Word Analysis and Vocabulary 9 items
- Reading Comprehension 20 items
- Literary Response and Analysis 20 items

Writing

- Writing Strategies 24 items
- Written and Oral Language Conventions 17 items

Mathematics

Grade 2 Mathematics Standards Test

- *Number Sense*
Place value, addition, and subtraction 15 items
Multiplication, division, and fractions 23 items
- *Algebra and Functions* 7 items
- *Measurement and Geometry* 13 items
- *Statistics, Data Analysis, and Probability* 7 items

Grade 3 Mathematics Standards Test

- *Number Sense*
Place value, fractions, and decimals 16 items
Addition, subtraction, multiplication, and division 15 items
- *Algebra and Functions* 11 items
- *Measurement and Geometry* 18 items
- *Statistics, Data Analysis, and Probability* 5 items

Grade 4 Mathematics Standards Test

- *Number Sense*
Decimals, fractions, and negative numbers 17 items
Operations and factoring 15 items
- *Algebra and Functions* 17 items
- *Measurement and Geometry* 13 items
- *Statistics, Data Analysis, and Probability* 3 items

Grade 5 Mathematics Standards Test

- *Number Sense*
Estimation, percents, and factoring 12 items
Operations with fractions and decimals 17 items
- *Algebra and Functions* 18 items
- *Measurement and Geometry* 14 items
- *Statistics, Data Analysis, and Probability* 4 items

Grade 6 Mathematics Standards Test

- *Number Sense*
Ratios, proportions, percentages, and negative fractions 15 items
Operations and problem solving with fractions 10 items
- *Algebra and Functions* 19 items
- *Measurement and Geometry* 12 items
- *Statistics, Data Analysis, and Probability* 9 items

Grade 7 Mathematics Standards Test

- *Number Sense*
Rational numbers 14 items
Exponents, powers, and roots 6 items
- *Algebra and Functions*
Quantitative relationships and evaluating expressions 12 items
Multi-step problems, graphing, and functions 13 items
- *Measurement and Geometry* 14 items
- *Statistics, Data Analysis, and Probability* 6 items

Grade 8/9 General Mathematics Standards Test

- *Number Sense*
Rational numbers 18 items
Exponents, powers, and roots 6 items
- *Algebra and Functions*
Quantitative relationships and evaluating expressions 11 items
Multistep problems, graphing, and functions 10 items
- *Measurement and Geometry* 11 items
- *Statistics, Data Analysis, and Probability* 9 items

Algebra I Standards Test

- Number Properties, Operations, and Linear Equations
(Standards 1.0 – 5.0) 16 items
- Graphing and Systems of Linear Equations
(Standards 6.0 – 9.0) 14 items
- Quadratics and Polynomials
(Standards 10.0, 11.0, 14.0, and 19.0 – 23.0) 23 items
- Functions and Rational Expressions
(Standards 12.0, 13.0, and 15.0 – 18.0) 12 items

(Note: Standards 24.0 – 25.3 are embedded within the 65 items)

Geometry Standards Test

- Logic and Geometric Proofs
(Standards 1.0 – 7.0) 25 items
- Volume and Area Formulas
(Standards 8.0 – 11.0) 11 items
- Angle Relationships, Constructions, and Lines
(Standards 12.0 – 17.0) 15 items
- Trigonometry
(Standards 18.0 – 22.0) 14 items

Algebra II Standards Test

- Polynomials and Rational Expressions
(Standards 1.0 – 4.0, and 7.0) 20 items
- Quadratics, Conics, and Complex Numbers
(Standards 5.0, 6.0, 8.0 – 10.0, 16.0 and 17.0) 18 items
- Exponents and Logarithms
(Standards 11.0 – 15.0) 14 items
- Series, Combinatorics, and Probability and Statistics
(Algebra II Standards 18.0 – 25.0 and Probability and Statistics 2.0 and 7.0) 13 items

High School Mathematics Standards Test

- *Algebra I* 21 items
- *Geometry* 21 items
- *Algebra II* 20 items
- *Probability and Statistics* 3 items

Integrated 1 Mathematics Standards Test

- *Algebra I*
 - Number Properties, Operations, and Linear Equations 15 items
 - Graphing and Systems of Linear Equations 7 items
 - Quadratics and Polynomials 15 items
 - Functions and Rational Expressions 8 items
- *Geometry* 20 items

Integrated 2 Mathematics Standards Test

- *Algebra I* 20 items
- *Geometry*
 - Logic and Geometric Proofs 22 items
 - Angle Relationships, Constructions, and Lines 10 items
 - Trigonometry 8 items
- *Algebra II/ Probability and Statistics* 5 items

Integrated 3 Mathematics Standards Test

- *Geometry* 5 items
- *Algebra II*
 - Polynomials and Rational Expressions 20 items
 - Quadratics, Conics, and Complex Numbers 18 items
 - Exponents and Logarithms 14 items
 - Series, Combinatorics, and Probability and Statistics 8 items

History-Social Science

Grade 9 History–Social Science Standards Test

- California: A Changing State; and U.S. History and Geography: Making a New Nation (Grade 4 and 5 standards) 15 items
- World History and Geography: Ancient Civilizations (Grade 6 Standards) 11 items
- World History and Geography: Medieval and Early Modern Times (Grade 7 Standards) 14 items
- United States History and Geography: Growth and Conflict (Grade 8 Standards) 20 items

Grade 10 History–Social Science Standards Test

- Principles and Events in the Development of Modern World Politics (Standards 1-2) 13 items
- The Industrial Revolution and the Era of Imperialism (Standards 3-4) 10 items
- World War I and its Effects (Standards 5-6) 14 items
- Totalitarianism and World War II (Standards 7-8) 13 items
- The Post-World War II World (Standards 9-10) 10 items

Grade 11 History–Social Science Standards Test

- The Founding of the Nation and the Role of Religion in U.S. Development (Standards 1&3) 8 items
- Significant Events through the Progressive Era and the Rise of the U.S. as a World Power (Standard 2) 14 items
- The 1920s, Great Depression, and World War II (Standards 5-7) 17 items
- Post-World War II America: Domestic Affairs, Foreign Policy and Civil Rights (Standards 8-11) 21 items

Science

Biology Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	6 items
Cell Biology <i>Cell Biology</i> (Standards: 1 a-h)	9 items
Genetics <i>Genetics</i> (Standards: 2 a-g, 3 a-b, 4 a-e, 5 a-c)	19 items
Ecology and Evolution <i>Ecology</i> (Standards: 6 a-f) <i>Evolution</i> (Standards: 7 a-d, 8 a-e)	16 items
Physiology <i>Physiology</i> (Standards: 9 a-e, 10 a-e)	10 items

Chemistry Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	7 items
Atomic and Molecular Structure <i>Atomic and Molecular Structure</i> (Standards: 1 a-e) <i>Nuclear Processes</i> (Standards: 11 a-e)	11 items
Chemical Bonds, Biochemistry <i>Chemical Bonds</i> (Standards: 2 a-e) <i>Organic and Biochemistry</i> (Standards: 10 a-c)	14 items
Kinetics, Thermodynamics <i>Gases and Their Properties</i> (Standards: 4 a-f) <i>Chemical Thermodynamics</i> (Standards: 7 a-d) <i>Solutions</i> (Standards: 6 a-d)	9 items
Chemical Reactions <i>Acids and Bases</i> (Standards: 5 a-d) <i>Reaction Rates</i> (Standards: 8 a-c) <i>Chemical Equilibrium</i> (Standards: 9 a-b)	8 items
Conservation of Matter and Stoichiometry <i>Conservation of Matter and Stoichiometry</i> (Standards: 3 a-e)	11 items

Earth Science Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards 1 a-n)	9 items
Astronomy and Cosmology <i>Earth's Place in the Universe</i> (Standards: 1 a-f, 2 a-d)	15 items
Solid Earth <i>Dynamic Earth Processes</i> (Standards: 3 a-e) <i>California Geology</i> (Standards: 9 a-c)	12 items
The Earth's Energy <i>Energy In the Earth System</i> (Standards: 4 a-c, 5 a-e, 6 a-c) <i>Structure and Composition of the Atmosphere</i> (Standards: 8 a-c) <i>Biogeochemical Cycles</i> (Standards: 7 a-c)	24 items

Physics Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	6 items
Motion and Forces <i>Motions and Forces</i> (Standards: 1 a-g)	12 items
Conservation of Energy and Momentum <i>Conservation of Energy and Momentum</i> (Standards: 2 a-g)	12 items
Heat and Thermodynamics <i>Heat and Thermodynamics</i> (Standards: 3 a-e)	9 items
Waves <i>Waves</i> (Standards: 4 a-f)	10 items
Electric and Magnetic Phenomena <i>Electric and Magnetic Phenomena</i> (Standards: 5 a-i)	11 items

Integrated/Coordinated Science (BCP) Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	5 items
Biology/Life Sciences	
Genetics <i>Genetics</i> (Standards: 2 a-g, 3 a-b, 4 a-e, 5 a-c)	9 items
Cells, Physiology, Evolution <i>Cell Biology</i> (Standards: 1 a-h) <i>Evolution</i> (Standard: 7 a-d, 8 a-e) <i>Physiology</i> (Standards: 9 a-e, 10 a-e)	8 items
Chemistry	
Structure, Bonds <i>Atomic and Molecular Structure</i> (Standards: 1 a-e) <i>Chemical Bonds</i> (Standards: 2 a-e)	6 items
Chemical Reactions, Organic Chemistry <i>Acids and Bases</i> (Standards: 5 a-d) <i>Solutions</i> (Standards: 6 a-d) <i>Reaction Rates</i> (Standards: 8 a-c) <i>Organic Chemistry and Biochemistry</i> (Standards: 10 a-c)	9 items
Physics	
Conservation of Energy and Momentum <i>Conservation of Energy and Momentum</i> (Standards: 2 a-g)	12 items
Electric and Magnetic Phenomena <i>Waves</i> (Standards: 4 a-f) <i>Electric and Magnetic Phenomena</i> (Standards: 5 a-i)	11 items

Integrated/Coordinated Science (EBP) Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	5 items
Earth Science The Earth's Energy <i>Energy In the Earth System</i> (Standards: 4 a-c, 5 a-e, 6 a-c) <i>Biogeochemical Cycles</i> (Standards: 7 a-c) <i>Structure and Composition of the Atmosphere</i> (Standards: 8 a-c)	11 items
Solid Earth <i>Dynamic Earth Processes</i> (Standards: 3 a-e) <i>California Geology</i> (Standards: 9 a-c)	10 items
Biology/Life Science Cells, Physiology <i>Cell Biology</i> (Standards: 1 a-h) <i>Physiology</i> (Standards: 9 a-e, 10 a-e)	12 items
Evolution Ecology <i>Ecology</i> (Standards: 6 a-f) <i>Evolution</i> (Standards: 7 a-d, 8 a-e)	8 items
Physics Heat and Thermodynamics <i>Heat and Thermodynamics</i> (Standards: 3 a-e) <i>Waves</i> (Standards: 4 a-f)	14 items

Integrated/Coordinated Science (EBC) Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	13 items
Earth Science	
Cycles, Structure and Composition <i>Biogeochemical Cycles</i> (Standards: 7 a-c) <i>Structure and Composition of the Atmosphere</i> (Standards: 8 a-c)	11 items
Biology/Life Science	
Genetics <i>Genetics</i> (Standards: 2 a-g, 3 a-b, 4 a-e, 5a-c)	10 items
Cells, Ecology, Evolution <i>Cell Biology</i> (Standards: 1a-h) <i>Ecology</i> (Standards: 6 a-f) <i>Evolution</i> (Standards: 7 a-d, 8 a-e)	7 items
Chemistry	
Structure, Bonds, Processes <i>Atomic and Molecular Structure</i> (Standards: 1 a-e) <i>Chemical Bonds</i> (Standards: 2 a-e) <i>Nuclear Processes</i> (Standards: 11 a-e)	11 items
Reaction, Organic Chemistry, Gases <i>Gases and Their Properties</i> (Standards: 4 a-f) <i>Acids and Bases</i> (Standards: 5 a-d) <i>Organic Chemistry and Biochemistry</i> (Standards: 10 a-c)	8 items

Integrated/Coordinated Science (ECP) Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	5 items
Earth Science	
The Earth's Energy <i>Earth's Place in the Universe</i> (Standards: 1 a-f, 2 a-d) <i>Dynamic Earth Processes</i> (Standards: 3 a-e) <i>Energy in the Earth's System</i> (Standards: 4 a-d, 5 a-e, 6 a-c) <i>California Geology</i> (Standards: 9 a-c)	19 items
Chemistry	
Structure, Bonds, Thermodynamics, Equilibrium <i>Atomic and Molecular Structure</i> (Standards: 1 a-e) <i>Chemical Bonds</i> (Standards: 2 a-e) <i>Chemical Thermodynamics</i> (Standards: 7 a-d) <i>Chemical Equilibrium</i> (Standards: 9 a-b)	8 items
Conservation of Matter and Stoichiometry <i>Conservation of Matter and Stoichiometry</i> (Standards: 3 a-e)	11 items
Physics	
Motions and Forces <i>Motions and Forces</i> (Standards: 1 a-g) <i>Waves</i> (Standards: 4 a-f)	17 items